

TOROK, L.

Irrigation from deep wells in India. p.294.

VIZUGYI KOZLEMENYEK. HYDRAULIC ENGINEERING. Budapest, Hungary. No. 2, 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

TOROK, L.

"Experimental contributions to the regenerative capacity of Dugesia
(-Euplanaria) lugubris O. Schm." In English. p. 79.

ACTA BIOLOGICA. (Magyar Tudomanyos Akademia). Budapest, Hungary, Vol. 9,
No. 1, 1958.

Monthly list of East European Accessions (ELMI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

TOROK, L.

"Section sessions." p. 75.

BIOLOGIAI KOZLEMENYEK. (Magyar Biológiai Társaság. Általános Biológiai Szakosztály). Budapest, Hungary, Vol. 6, No. 1, 1958.

Monthly list of East European Accessions (EMAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

TOROK, L.

LAJOS, Torok, dr.

Aspirated foreign body maintaining chronic pneumonia for years.
Orv. hetil. 98 no.17:447-449 28 Apr 1957.

1. A IV. ker. Fovarosi Kozkorhaz Tudosztalyanak (foorvos: Devenyi Rudolf
dr. korhazigazgato) kozlemenye.

(PNEUMONIA, etiol. & pathogen.

aspirated bone piece causing chronic pneumonia (Hun))

(FOREIGN BODIES

bone piece aspiration causing chronic pneumonia (Hun))

TOROK, Lajos, dr.

Effect of largactil on experimental tuberculosis in guinea
pigs. Tuberkulozis 12 no.12:282-284 D '59.

1. A IV. ker. Fovarosi Korhaz (igazgato foorvos: Devenyi
Rudolf dr.) kozlemenye.

(CHLORPROMAZINE pharmacol)
(TUBERCULOSIS exper)

TOROK, Laszlo

Data on the colorimetric determination of phosphate ion
by molybdenum blue, reduced with ascorbic acid. Magyar kem lap
17 no.3:137-139 Mr '62.

1. Helyiipari Kutató Intézet

HUKOVINSZKY, Laszlo, dr.; TOROK, Laszlo, dr.

Effect of seveal on the estrus cycle of rodents. *Magy.noorv.*
lap. 17 no.5:292-295 Sept 54.

1. A szegedi Orvostudományi Egyetem Szülészeti és Nőgyógyászati
klinika,ának közleménye (Igazgató: Batizfalvy János dr. egyet-
emi tanár)

(ESTRUS CYCLE, effect of drugs on
phenobarbital on rodents (Hun)

(BARBITURATES, effects
phenobarbital on estrus cycle in rodents (Hun)

Török, L.,

1305. Kézdi, G., and Török, L., Applicability of the seepage factor (in Hungarian), *Hydrologiai Közlemény* 35, 5/6, 195-201, May/June, 1955. 2

note Considerations on the range of validity of Darcy's law, which theoretically never applies to seepage problems. At greater velocities in coarse soils, an expression of second degree gives more reliable results; in soils with fine grains (silt, clay), the effect of molecular forces (microseepage) has to be considered; the problem leads to the mechanics of viscoplastic fluids. In seepage problems, the Bernoulli equation has to be used with consideration of the terms of losses. In pumping tests, the results often display deviations from Darcy's law, in most cases, this is caused by inhomogeneity of soil or lack of permanent seepage.

A. Kézdi, Hungary

TOROK, L.

✓ 61. On the applicability of the seepage factor --- G.
Karádi, L., Török. (Hidrologiai Közlemény
Vol. 35, 1955, No. 5-6, pp. 195-201, 3 figs.)

GP Darcy's formula for the linear correlation between velocity and gradient, is never valid in theory for water movement in the soil. It can however be applied in practice without appreciable faults within a broad range of movement. Correlations of the type $v = a \sqrt{i}$ or $v = b i^n$ yield more reliable results with steeper gradients and correspondingly higher velocities especially in coarse granulated soils. In soils consisting of fine grains (silt, clay) and with a lesser gradient the phenomenon of microseepage (i.e. that effect of the molecular force which hinders motion) must be taken into consideration. The theoretical solution of this problem can be traced to the mechanics of visco-plastic materials. With ground water motions Bernoulli's equation can only be applied after complementing it with a member expressing the losses. The divergence from linearity must be borne in mind when determining the seepage factor (by laboratory and field tests, formulae, etc.). Divergences of the k factor observed at trial pumpings are due to the changes in soil homogeneity or the lack of the permanent state assumed in deducing the well formula and not to the cessation of linearity.

①

TOROK, L.

Progress report on studies of the design of stable channels by the Bureau of Reclamation. p. 361.
VIZUGYI KOZLELMENYEK. HYDRAULIC PROCEEDINGS, Budapest, Vol. (36) no. 3, 1954.

SO: Monthly List of East European Accessions, (EAML), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

TOROK, I.

6th Balaton Conference of the Hungarian Hydrological Society. p. 247.
(HIDROLOGIAI KOZLONY. HYDROLOGICAL JOURNAL Vol. 36, no. 4, Aug. 1956. Budapest)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

TOROK, LASZLO

HUNGARY/Analysis of Inorganic Substances

G-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19606

Author : Laszlo Török.

Inst : -

Title : Carbon Determination in Soils and Fertilizers by
Measuring Conductivity.

Orig Pub: Agrochem. Es. Talaj., 1956, 5, No 2, 257 - 266.

Abstract: The organic matter of the soil or fertilizer is oxidized with Van-Slyke reagent, the produced CO_2 is absorbed by $\text{Ba}(\text{OH})_2$ solution and the electrical conductivity of the latter is measured. A calibrating curve is plotted using KHCO_3 . The duration of a determination is 1 hour. This method is applicable also to pure organic substances.

Card 1/1

- 86 -

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b);
ZIMMER, Karoly, dr. (Budapest, VIII., Muzeum korut 4/b)

Newer results in the application of l-transformation. Acta
chimica Hung 41 no.1/2:97-104 '64.

1. Institut fur Anorganische und Analytische Chemie der
Lorand Eotvos Universitat Budapest.

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b);
BAJAKI, Laszlo (Budapest, VIII., Muzeum korut 4/b)

Problems of the qualitative evaluation of emission spectrograms. Acta chimica Hung 41 no.1/2:143-154 '64.

1. Institut fur Anorganische und Analytische Chemie der
Lorand Eotvos Universitat, Budapest, und Forschungslaboratorium
fur Automatisierung der Ungarischen Akademie der Wissenschaften,
Budapest.

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b)

Data on the correspondence of theoretical and practical correlations of l-transformation. Acta chimica Hung 41 no.1/2:155-160 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest.

TORCK, Tibor, a kemiai tudományok doktora

Report on the 10-year activity of the Committee on Spectrum
Analysis, Material Testing Division of the Scientific
Association of the Machine Industry. Kem tud kozl MTA 21 no.
1:124-127 '64.

1. Chair of Inorganic and Analytic Chemistry, Lorand Eotvos
University, Budapest.

TOROK, Tibor, dr.

Report on the 10 years' activity of the Technical Committee
on Spectrum Analysis, Department of Material Testing,
Scientific Association of the Machine Industry. Gep 16
no.5:199-200 My'64.

1. The first part of the paper is a review of the literature on the subject of the role of the state in the development of the economy.

2. The second part of the paper is a review of the literature on the subject of the role of the state in the development of the economy.

ABSTRACT This paper is a review of the literature on the subject of the role of the state in the development of the economy.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7"

1. Title
2. Author

Author: [illegible] (Budapest); Bakaki, Laslo.
[illegible]

--- [illegible] the quantitative evaluation of emission spectrograms

SOURCE: [illegible] 143-154

TOPIC TAGS: analog computer, emission spectrum, nuclear physics apparatus

ABSTRACT: The principles, construction, operation, performance, and applications of [illegible]

ACCESSION NR: AT502100-

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presented at the Eleventh Colloquium on the History of the

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7"

TOROK, Tibor

Correspondence of the theoretical and practical basic equation
of the l-transformation. Magy kem folyoir 70 no. 6:278-280
Je '64.

1. Chair of Inorganic and Analytic Chemistry, Lorand Eotvos
University, Budapest.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7"

TOROK, L.

Investigation of erosion occurring around hydraulic structures. p.357.
(Hidrologiai Kozlony, Vol. 36, No. 5, Oct. 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

TCROK, L.

TCROK, L. Experimenting with models in application of centrifugal acceleration.
p. 370.

Vol. 5, No. 8, Aug. 1955.
MELYEPITESTUDOMANYI SZEMLE.
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

TOROK, L.

TOROK, L. - Computing ice pressure on structures. p. 333, Vol (37) no. 3/4, 1955
VIZUGYI KOZLEMENYEK. HYDRAULIC ENGINEERING. (Kozlekedesugyi
Miniszterium. Vizgazdalkodasi Tudomanyos Kutato Intezet)
Budapest.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April

TOROK, L.

TOROK, L. - AUDIO SK 102, a film projector for regular-sized films;
presenting an apparatus. p. 102.
Vol. 2, no. 4, Aug. 1956.
Képes Hangtechnika. - Budapest, Hungary

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

TOROK, Laszlo; CSONKARETI, Karolyne

Carbon content determination in composts by dichromatic method
based upon the measurement of oxygen consumption. Agrochem
talajtan 12 no.4:631-642 D '63.

1. Local Industry Research Institute, Ministry of the Light
Industry, Budapest.

Colloid-chemical aspects of the extraction of humic matter and extraction of humus from manures. László Terok (Agrokémiai Kutató Intézet Szervestrágyázási Osztálya, Budapest). Agrokémia és Talajtan 4, 57-70(1955)(English summary).—For extn. of humus from manure the following solvents were used: 0.1N NaOH, 0.05N LiOH, and LiF with the pH of 7.45. The strongest peptization effect was with 0.1N NaOH. The LiF soln. showed a minimal peptization effect. The 0.05N LiOH had about the same effect as 0.05N NaOH except that the peptization in the 1st fraction of LiOH was considerably higher than the corresponding NaOH fraction. Some of the fractions were pretreated with 0.05N HCl and 0.05N H₂SO₄. It was shown that the pretreatment with acid has an inhibitory effect upon peptization.

Nella Hallinger

TOROK, L.

"Manipulating lock gates" p. 182, (VIZUGYI KOZLEMENYEK. HYDRAULIC PROCEEDINGS, No.1, 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

TOROK, Laszlo Jozsef

Division news. Biol kozl 8 no.2:203-212 '60.

1. "Biologiai Kozlemenyek" szerkeszto bizottsagi tagja.

TOROK, LASZLO

BUKOVINSZKY, Laszlo, dr.; TOROK, Laszlo, dr.

Modification of resistance of erythrocytes following gynecological surgery. Magy. noorv. lap. 17 no.4:237-241 July 54.

1. A szegedi Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinikájának közleménye (Igazgató: Batizfalvy János dr. egyetemi tanár)

(GENITALIA, FEMALE, surgery,
postop. erythrocyte resist., variations)
(ERYTHROCYTES,
resist. after gyn. surg.)

KISS, Lorant, okleveles gepeszmernok; CSERNAVOLGYI, Laszlo; HAJDU, Istvan;
BENKOVICS, Jozsef; TERNYAK, Beno; SOSKUTI, Andras; TOROK, Mihaly, dr.;
SZASZ Frigyes; GATI, Geza; KOVACS, Lajos; DEHENES, Zoltan; MAGYAROK, Laszlo;
KOVACS, Gyula; AUERSWALD, Janos; SOS, Janos; DIOSZEGHY, Daniel,
prof.

Manufacture and use of gas appliances. Energia es atom 17 no.1:
30-35 Ja'64.

1. Lampagyar (for Kiss).
2. Vegyterv (for Csernavolgyi).
3. Orszagos Koolaj- es Gazipari Troszt (for Hajdu, Szasz, Auerswald).
4. Pecszi Gazszolgaltato Vallalat (for Benkovics).
5. Asvanyolaj-forgalmi Vallalat (for Ternyak, Soskuti).
6. Epitesugyi Miniszterium Iparterv Muszaki Osztaly (for Torok).
7. Orszagos Villamosenergia Felugyelet (for Gati).
8. Epitesugyi Miniszterium (for Lajos Kovacs).
9. Gazkeszulekgyarto Vallalat (for Dehenes).
10. Epitestudomayi Intezet (for Gyula Kovacs).

TOROK, Mihaly

Ideological education in the hostels for mailmen. Munka 13 no.8:
25 Ag '63.

1. Postas Szakszervezet kulturalis osztalyanak megbizott
vezetoje.

BAN, Miklos; GASPAR, Gyorgy; SZABO, Jozsef; TOROK, Miklos

Electron structure of aromatic compounds. Pt.1. Magy fiz folyoir
11 no.2:89-100 '63.

1. Altalanos es Fizikai-Kemiai Intezet, Egyetem, Szeged.

CSABA, G.; TOROK, Otilia; FISCHER, J.

Immunological competence of newborn and adult rat thymus and spleen after explantation in tissue culture. Acta biol. acad. sci. Hung. 16 no.2:161-168 '65.

1. Institute of Histology and Embryology, Medical University, Budapest (Head: I. Toro) Biometrical Division, Mathematical Research Institute of the Hungarian Academy of Sciences (Head: I. Juvancz). Submitted April 8, 1965.

LÁZL-OSSY, Lorant, Dr.; TOROK, Pal, Dr.

Malignant melanoma metastasizing to the central nervous system.
Ideg. szemle 12 no.5:136-147 May 59.

1. A Debreceni Orvostudományi Egyetem Ideg-Élmeclinikájának
(igazgató: dr. Juhasz Pal egyetemi tanár) közleménye.

(MELANOMA, case reports

malignant, metastatic to CNS (Rus))

(CENTRAL NERVOUS SYSTEM, neoplasms

metastatic from malignant melanoma (Rus))

HULLAY, Jozsef; FARAGO, Lajos; TOROK, Pal

Data on memory functions based on electric cortical stimulations in temporal epilepsy. Ideg. szemle 11 no.1-2:15-17 Feb-Apr 58.

(MEMORY,

funct. of memory cortex studies by electric cortical stimulations in temporal epilepsy (Hun))

(CEREBRAL CORTEX, physiol.

memory cortex funct. studied by electric cortical stimulations in temporal epilepsy (Hun))

JUHASZ, Pal, dr.; ZSADANYI, Otto, dr.; TOROK, Pal, dr.; KUSZ, Sandor, dr.;
PERTORINI, Rezso, dr.

Village population morbidity in 1961. Orv. hetil. 105 no.37:1742-
1746 13 S '64.

1. Debreceni Orvostudományi Egyetem, Ideg- és Elmeclinika (igazgató:
Juhász Pal dr.).

TOKOK, P.

TOKOK, P. Two interesting Rotatori e in the tap water of Budapest.
In German. p. 300

Vol. 2. no. 1/3 1956

Acta Zoologica

SCIENCE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 3, March 1957

TAROK, P.

Biological investigations on waterworks supplied by spring waters. in English. p. 7, (ACTA BIOLOGICA, Budapest, Hungary). Vol 5, No 1, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol 4, No. 5, May 1955, Uncl.

KAJTOR, Ferenc; FARAGO, Iajos; TOROK, Pal

Effect of peripheral sensory stimulation on the convulsive activity of the hippocampus in evipan anesthesia. Ideg szemle 10 no.5-6:171-180 Oct-Dec 57.

1. A Debreceni Orvostudományi Egyetem Ideg-elmeklinikájának közleménye.
(HIPPOCAMPUS, in various dis.
epilepsy, temporal, EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. (Hun))
(EPILEPSY, physiol.
EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. in temporal epilepsy (Hun))
(ELECTROENCEPHALOGRAPHY, in various dis.
epilepsy, temporal, EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. (Hun))
(NERVES, PERIPHERAL, in various dis.
same)

TOROK Pirooska

Microorganisms from the Hungarian water-supply lines. Acta microb.
hung. 1 no.2-3:223-241 1954.

1. Staatliches Institut fur Volksgesundheitswesen, Budapest;
eingegangen am 10. August 1953.
(WATER SUPPLY, bacteriol.
*Hungary)

BANK, Istvan; MOLNAR, Endre; TOROK, Piroska, dr.; RAKSANYI, Arpad, dr.;
OROSZLARI, Istvan; FINALY, Lajos; NAGY L. Denes; SZABO, Zoltan,
dr.

Possibilities for the agricultural utilization of sewage
waters in Hungary. Hidrologiai kozlony 36 no.1:69-76 F'56.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Szabo).

TOROK, Pirooska, dr.

Biological examination of water pipes. Hidrologiai kozlony 41
no.5:422-434 0'61.

TOROK, Piroska

Data on the bacteriological conditions of some waters flowing
into the Balaton. Annales biol Tihany 27:165-168 '60.

C.A.

14

The bacteriological and biological control of the drinking water of Budapest. Pirooska Torok (Országos Közegészségügyi Intézet, Budapest); *Hidrol. Közlöny* 30, 2-10 (1950).—Bacteriol. tests are conducted regularly according to the method of McCrady-Hoskins (cf. *U.S. Pub. Health Repts.* 49, 303(1934)). Data are given on total bacteria counts, coli counts, and plankton counts in tap water and water in the mains from 1941 to 1948. Max. counts occurred in 1945. The no. of plankton organisms in tap water generally increased in the summer and autumn months, and its fluctuations were parallel to those of the total no. of bacteria. Istvan Finály

TOTH, Lajos (Debrecen); TOROK, Sandor (Debrecen)

Determination of gravitational acceleration by spring scale at
special teaching courses. Fiz szemle 11 no.7:223-224 J1 '61.

HUNGARY/Nuclear Physics - Installations and Instruments. Methods C-2

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 14983

Author : Bujdoso Erno, Medveczky Laszlo, ~~Tozok Sander~~
Inst : Not Given
Title : Monograms for Measurement of Energy of Neutrons in Photo-
emulsion.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 3, 229-239

Abstract : Description of nomograms with which it is possible to determine the energy of the neutron in photoemulsion in the energy interval from 0.5 to 14 Mev with an accuracy of 1 to 3%.

Card : 1/1

TOROK, Sandor, egyetemi adjunktus

Determination of internal resistance of amperemeters. Radio-
technika 13 no.11:430-431 N '63.

TONK 2.14.1

Hydrolysis of cellulose with conc.
(Preliminary publication)
CH *Chem. Abstr. 1952 III 1954 VIII. 1-51. Cotton*
cellulose was hydrolyzed with conc. H_2SO_4 for various
lengths of time. The sugars obtained were detd. by iodo-
metric or polarographic methods. For the hydrolysis 50 g.
cotton cellulose was heated with 18 g. of 80% H_2SO_4 5 min.
at 60° and 45 min. at 121°, giving 94% sugar of which 97%
could be fermented. A. Ballou.

KUTZ, Vaszili, dr.; TOROK, Szilveszter, dr.

Manufacturing problems of gelatinating pectin in the Hungarian food industry. Konzerv paprika no.5:160-164 S-0'63.

1. Konzerv - es Paprikaipari Kutato Intezet.

TOROK, S.

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of 3-2
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10083

Author : Bujdosó, E., Medveczky, L., Torok, S.
Inst : Institute of Nuclear Research, Hungarian Academy of Sciences,
Debrecen, Hungary

Title : Monographs for Fast Neutron Spectroscopy

Orig Pub : Acta phys. Acad. sci. hung., 1957, 7, No 3, 373-377

Abstract : The measurement of the energy distribution of fast neutrons with the aid of photoemulsions represents a laborious problem. The difficulties increase particularly in the study of the spectrum of neutrons with a broad energy band. In processing the tracks, the authors propose to use two nomograms. The first nomogram gives the dependence of the proton energy and the angle between the direction of the proton and the plane of the plate on the depth of the track and the length of its projection on the plane of the plate. With the aid of a second nomogram, it is possible to determine the value of the angle

Ca: Card : 1/2

00513R001756320019

TOROK, Tibor; PETHO, Attila

Spectrographic determination of the copper content of aluminum alloys between 0,1-1,0 per cent concentration limits. Magyar kem folyoir 67 no.10:433-435 0 '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest es Csepel Vas- es Femuvek Anyagvizsgalo Osztalya, Budapest.

S/081/63/000/001/034/061
B144/B186

AUTHORS: Zimmer, Karoly, Török, Tibor

TITLE: Physical and chemical processes on the surface of electrodes
in spark discharge

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 123, abstract
1015 (Chem. analit. (Polska), v. 7, no. 1, 1962, 105-112
[Germ.; summary in Pol.])

TEXT: Review article devoted to the systematization of various processes
occurring on the electrode surface in spark discharge during the spectrum
analysis of alloys. [Abstracter's note: Complete translation.]

Card 1/1

TOROK, Tibor, dr.

Aspects and possibilities of introducing spectrometers in Hungary.
Koh lap 96 no.2:62-66 F '63.

1. Eotvos Lorand Tudományegyetem Szervetlen és Analitikai Kémiai
Intézete, Budapest, és Csepel Vas- és Fémüvek Központi Anyagvizsgáló
Osztálya, Budapest.

TOROK, Tibor

Present state and perspectives of the application of self-operative optical and X-ray spectrum analyzing installations. Magyar kem lap 16 no.12:569-574 D '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, es Csepel Vas- es Femuvek Anyagvizsgalo Osztalya.

S/058/63/000/001/071/120
A160/A101

AUTHOR: Török, Tibor

TITLE: Present possibilities and unsolved problems of quantitative photographic measurements in an emission spectral analysis

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 89, abstract ID638
("Chem. analit." (Polska), no. 1, 1962, 7, 47 - 60, German;
summary in Polish)

TEXT: Discussed are the possibilities of improving the accuracy of photographically measuring the intensity of spectral lines by the use of known methods of transforming blackenings. To facilitate calculations, the use of various computers is proposed.

M. Britske

[Abstracter's note: Complete translation]

Card 1/1

ZIMMER, Karoly, dr. (Budapest XII Szendi u.14); TOROK, Tibor, dr. (Budapest XI, Zolyomi ut 41)

Data on the sparking-off effect. VII. Acta chimica Hung 24 no.1:1-17
'60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University
Budapest and Department of Material Investigation, Csepel Iron and
Metal Works, Budapest.
(Electric spark) (Electrodes) (Aluminum)
(Magnesium)

ZIMMER, Karoly, dr. (Budapest XII Szendi u.14); TOROK, Tibor, dr (Budapest XI Zolyomi ut. 41)

Data on the sparking-off effect. VIII. Acta chimica Hung 24 no.2:
111-123 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University
Budapest and Department of Material Investigation, Csepel Iron and
Metal Works, Budapest.
(Electric spark) (Electrodes)

TOROK, Tibor, dr. (Budapest XI. Zolyomi ut 41)

A semiautomatic analogue-calculating machine equipped with a potentiometer, and its application for a complete evaluation in the emission spectrum analysis. Acta chimica Hung 24 no.2:143-156 '60.
(EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University
Budapest, and Department for Investigation of Materials, Csepel Iron
and Metal Works, Budapest.

(Electronic analogue computers)

(Potentiometer)

(Spectrum analysis)

ZIMMER, Karoly (Budapest); TOROK, Tibor, dr. (Budapest)

Data on the sparking-off effect. V. Acta chimica Hung 22 no.4:373-
382 '60. (ECAF 10:2)

1. Institute of Inorganic and Analytical Chemistry, Lorand Eotvos
University, Budapest (for Zimmer). 2. Department for Material
Investigation, Csepel Iron and Metal Works, Budapest (for Torok)
(Electric spark) (Electrodes) (Magnesium)
(Aluminum)

TOROK, T.

High-voltage spark exciter with mechanically controlled charging electric circuit. p. 99.

Magyar Tudományos Akadémia. Műszaki Tudományok Osztálya. KÖZLEMÉNYEK.
Budapest, Hungary. Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

HUNGARY/Optics - Instruments for Optical Analysis.

K

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4714

Author : Torok, T., Barabas, J.

Inst : -

Title : Spectroscope for Testing Materials

Orig Pub : Acta chim. Acad. scient. hung., 1959, 19, No 1, 51-55

Abstract : Description of a binocular spectroscope for testing materials, equipped with two prisms, and applicable also to the measurement of the intensity of spectral lines.

Card 1/1

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TCROK, T.; BARABAS, J.

Spectroscope for testing materials. p.51 .

ACTA CHIMICA. Budapest, Hungary. Vol. 19, no. 1, 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

E-1

COUNTRY : Germany
 CATEGORY : Analytical Chemistry, General

ABS. JOUR. : RZKhim., No. 19, 1959, No. 67614

AUTHOR : Terok, T.; Petho, A.
 INST. :
 TITLE : On the Shift of Calibration Graphs on the
 Throwing Out of Focus of Littrow Spectrograph

ORIG. PUB. : Z. wiss. Photogr., 1959, 53, No 4-6, 110-115

ABSTRACT : Study of the causes of shifting of calibration graphs, due to purely optical reasons, using as an example an Al-alloy containing 0.23-0.56% Fe, 0.25-1% Si, and 0.01-0.08% Cu. A parallel shift of set graphs was ascertained, and when the apparatus is thrown out of focus the values of fixed points C_0 (corresponding to $\Delta s = 0$) and C_n differ on the graph from the original values by 7% for Si and by 10-11% for Fe and Cu. In the opinion of the authors such a shift is due to difference in shape of contour of the lines. In spectra photographed in a properly adjusted apparatus, the lines selected for the study are those of equal blackening; in such a case $\Delta s = 0$. On recording with an

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1ST AND 2ND CROSS																										3RD AND 4TH CROSS																									
PROCESSES AND PROPERTIES INDEX																										MATERIALS INDEX																									
<p>Uric acid content of the blood of horned cattle. Tamás Tótok. <i>Köszlemények áttanulmányozásai</i> 1978:26, 11-16(1935).—The methods of Jonesco and Folin-Shaffer were used. A hundred cc. blood contained 0.00-4.08 mg. uric acid. Hemoglobin-free plasma contained no uric acid.</p> <p>S. S. de Fényi</p>																										<p>118</p>																									
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																										<p>1ST AND 2ND CROSS</p>																									

TOROK, Tibor, dr. (Budapest, XI., Zolyomi ut 41)

Automatic optical and roentgen spectral analytical devices; present state and perspectives of their application. Acta chimica Hung 33 (1) no.1:39-50 '62.

1. Institut für Anorganische und Analytische Chemie der Lorand Eotvos Universität, Budapest, und Abteilung für Werkstoffprüfung der Eisen- und Metallwerke Csepel, Budapest.

TOROK, Tibor; ZIMMER, Karoly; RETI, Sandor

A new blackening-transformation. *Magy kem folyoir* 68 no 4:
395-398 S '62.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai
Kemiai Tanszeke, Budapest.

TÖRÖK, Tibor

Present time possibilities and unsolved problems of the quantitative photographic evaluation of emission spectral analysis. Chemia anal 7 no.1:47-60 '62.

1. Chair of Inorganic and Analytic Chemistry, L. Eötvös University, Budapest, Hungary and Laboratory of Material Research, Csepel Metallurgical Plants, Budapest, Hungary.

ZIMMER, Karoly; TÜRÖK, Tibor

Physical and chemical processes occurring at the surface of electrodes of alloys during electric spark discharges.
Chemia anal 7 no.1:105-112 '62.

1. Institute of Anorganic and Analytic Chemistry, L. Eötvös University, Budapest, Hungary.

TÖRÖK, Tibor; SZABO, Z.L.

Spectroanalytical research with screw electrodes from
metallurgical aluminum. *Chemia anal* 7 no.1:195-200
'62.

1. Institute of Inorganic and Analytical Chemistry,
L. Eötvös University, Budapest.

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest)

Data on the sparking-off effect. VI. Kem tud kozl MTA 13 no.1:11-15
'60. (KEAI 10:2)

1. Az Eotvos Lorand Tudományegyetem Szervetlen és Analitikai Kémiai
Intézete, Budapest (for Zimmer). 2. Csepel Vas- és Fémművek
Anyagvizsgáló Osztálya, Budapest (for Torok). Az 1959. november 6-i
osztályülésen bemutatta Schulek Elmer r.tag.
(Electric spark) (Electrodes)
(Magnesium) (Aluminum)

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest)

Investigation of sparking effects I-II. Kem.tud.kozl.MTA 12 no.3:
285-314 '59. (KEAI 9:4)

1. Az Eötvös Lorand Tudományegyetem Szervetlen és Analitikai Kémiai
Intézete (for Zimmer). 2. Csepel Vas- és Fémüvegek Anyagvizsgáló
Osztály (for Torok).
(Spectrum analysis) (Magnesium) (Manganese)

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest)

Investigation of sparking effects. Kem.tud.kozl.MTA 12 no.4:405-
430 '59. (KRAI 9:4)

1. Az Eotvos Lorand Tudományegyetem Szervetlen és Analitikai Kémiai
Intézete, Budapest (for Zimmer). 2. Csépel Vas- és Féművek Anyag-
vizsgáló Osztálya, Budapest (for Torok).
(Magnesium) (Spectrum analysis) (Aluminum) (Iron)
(Silicon) (Manganese)

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest)

Data on the sparking-off effect. Kem tud kozl MTA 13 no.3:269-284 '60.
(EEAI 9:11)

1. Az Eotvos Lorand Tudományegyetem Szervetlen és Analitikai Kémiai
Intezete, Budapest (for Zimmer). 2. Csepel Vas- és Féművek
Anyagvizsgáló Osztálya, Budapest (for Torok)
(Electric spark) (Aluminum)

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest);

Data on the sparking-off effect. VIII. Kem tud kozl MTA 13 no.4:
371-381 '60. (EEAI 9:12)

1. Az Eotvos Lorand Tudományegyetem Szervetlen és Analitikai
Kémiai Intézete, Budapest (for Zimmer). 2. A Csepel Vas- és
Féművek Anyagvizsgáló Osztálya, Budapest (for Torok).
(Electric spark) (Alluminum) (Electrodes)
(Diffusion)

ZIMMER, Karoly, a kémiai tudományok kandidátusa (Budapest); TOROK, Tibor,
a kémiai tudományok doktora (Budapest)

Data on the sparking-off effect. IX. Kem tud kozl MTA 14 no.1:1-9
'60. (EEAI 9:12)

1. Az Eotvos Lorand Tudományegyetem Szervetlen és Analitikai
Kémiai Intézete, Budapest (for Zimmer). 2. Csepel Vas-és féművek
Anyagvizsgáló Osztálya, Budapest (for Torok)
(Electric spark) (Electrodes) (Diffusion)
(Aluminum)

ZIMMER, Karoly; TOROK, Tibor

Influence of the electric parameters of the discharge
circle on the discharge and evaluating curve of magnesium.
Magy kem folyoir 65 no. 12:478-481 '59.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai
Kemiai Intezete es Csepel Vas-es Femmuvek Anyagvizsgalo
Osztalya, Budapest.

TOROK, Tibor

"Spectrator", the semiautomatic complete evaluating device and its application in spectrum analysis. Magy kem folyoir 65 no. 12:482-486 '59.

1. Eotvos Lorand Tudományegyetem Szervetlen és Analitikai Kémiai Intézete és Csepel Vas-és Féművek Anyagvizsgáló Osztálya, Budapest.

ZIMMER, Karoly (Budapest); TOROK, Tibor, dr (Budapest)

Data on the sparking-off effect. III-IV. Acta chemica Hung 22 no.3:
255-273 '60. (EEAI 9:11)

1. Institute of Inorganic and Analytical Chemistry, Lorand Eotvos
University, Budapest (for Zimmer). 2. Department for Material
Investigation, Csepe Iron and Metal Works, Budapest (for Torok).
Vorgelegt von E. Schulek.

(Electric spark)	(Argon)	(Magnesium)	(Air)
(Zinc)	(Iron)	(Silicon)	(Manganese)

TOROK, Tibor

4E2C
4E3A

Background correction and interpretation with a projection graph for spectral analysis/8 Tibor Torok, Maria Kovacs, and Sarolta Kerekes (Lorand Eotvos Univ., Budapest, Hung.). Z. anal. Chem. 185, 341-7 (1959).—A graphical procedure based on optical projections is described for measuring the background correction and for obtaining concentration values directly from intensity measurements in emission spectroscopy. The procedure is evaluated by using the detn. of Ti and Zn in cast Al and Mo in steel. K. G. S.

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TOROK, T.

SCIENCE

PERIODICALS: ~~ACTA SOCIOLOGICA~~, Vol. 64, no. 7/8, July/Aug. 1958
MAGYAR KEMENYI FOLYKIRAT, Vol. 64, no. 7/8, July/Aug. 1958

Torok, T. A new Hungarian spectroscope for testing material. p. 236.

Monthly list of East European Accessions (MEAT) LC, Vol. 8, no. 2,
February 1959, Unclass.

Torok, T.

Spectroscopic determination of boron in aluminum. B.
Wespremy and T. Torok (Csepe Iron and Metal Works,
Budapest). *Acta Chim. Acad. Sci. Hung.* 19, 357-61
(1959) (in German).—Traces of B (0.01-0.50%) in Al alloys
are detd. spectroscopically by using the method of soln.
analysis according to Scheibe-Rivas (C.A. 30, 6302) with
spark excitation. The pair of lines B 2497.72/Al 2367.93 is
employed; the mean quadratic error is $\pm 3.8\%$. Routine
analysis is carried out with these samples, and the samples
are employed as secondary standards in the electrode tech-
nique at low-voltage excitation, with the pair of lines B
2497.72/Al 2459.82. The mean quadratic error is $\pm 5.7\%$.
To eliminate interference from an Fe line overlapping that
of B, a selected control line of Fe (2486.35) is used, apply-
ing the method of background correction. D. ~~Am~~

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TOROK, T.

✓ Displacement of the calibration curves through defocusing of the Littrow spectrograph. T. Torok and A. Petho (L. Eötvös Univ., Budapest). Z. anal. Chem. 53, 110-14 (1959). Calibration curves used in evaluating concns. in routine spectrographic analysis must be rechecked from time to time. The new and the old calibration curve are often displaced, running parallel to each other. Fluctuations in the light intensity, differences in the photographic material are among other reasons for the explanation of the phenomenon observed. Defocussing of the spectrograph is also important. The sharpness of the reference lines of a Littrow instrument is not const. Owing to temp. variations, changes of the metal parts occur resulting in a decrease in line sharpness. Model expts. performed with calibration curves for the detn. of Si, Cu, and Fe in an Al alloy showed that through displacement the results for Si were 7% too low. For Cu and Fe the error was 10-11%. The difference in the magnitude of the error is explainable through the ratio of the intensity and profile of the particular element line and the reference line. Ernst M. Goldstein

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CIA-RDP86-00513R001756320019-7"

Torok, T.

HUNGARY/Fitting Out of Laboratories. Instruments,
Their Theory, Construction and Use

H.

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4897

Author : Torok, T.

Inst : Hungarian Academy of Sciences

Title : Darkening Converter for Spectral Analysis

Orig Pub : Acta chim. Acad. sci. hung., 1956, 8, No 4, 373-382

Abstract : Conversion in accordance with Seidel formula involves considerable expenditure of time. The author proposes a conversion device, that can be readily made, for rapid conversion of darkening values. The advantage of this instrument is its low error which amounts to only ± 0.001 of the darkening value. The device comprises four scales: darkening values scale -- S, optical density -- D, conversion scale P and a scale K, upon which, by parallel shifting of P and S, is plotted the value of $\rightarrow k$ (conversion coefficient). Scale P

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HUNGARY/Fitting Out Laboratories. Instruments,
Their Theory, Construction and Use

H.

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4897

consists of two halves that can be shifted in relation to each other. By using a projection straightedge, one end of which is fastened at the zero point of rotation, it is possible to determine directly the value of P from the known values of S and γ_C . The device can also be used for a rapid and direct determination of P , $\lg I$, $\lg I_1/I_2$ on the basis of S values, even in the case when the lines are in different regions of the spectrum. On provision of the instrument with a $\lg C$ scale a direct determination of the concentration is possible.

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Y 02. A new Hungarian spectroscope for material testing.
T. Török, J. Horváth. Magyar Kémiai Folyóirat,
Vol. 84, 1939, No. 7-8, pp. 236-247, 3 figs.

A Zeiss-Stuhl spectroscope was modified for the quick
assaying of high-alloy steel bars of unknown composition
without sampling. Based on the experiences obtained with
this apparatus, an instrument was constructed which in

all respects is suitable for material testing in the metal
industry. The main characteristics of the new device are the
following: It is suitable for performing tests without taking
a sample. It has two prisms. It is binocular; the instrument
may be used for the determination of the intensity ratio of
homologous pairs of lines; its wavelength scale also contains
a reproduction of the spectrum of iron, showing the lines of
iron and of alloying components, for the purpose of steel
analysis. The device, when completed, will be applicable
for performing other measurements too. The optical arrange-
ment, the principle of the construction of the double slit
and the other main parts of the device are described.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320019-7"

PROCESSING AND PREPARATION																									
1ST AND 2ND CROPS													3RD AND 4TH CROPS												
1ST AND 2ND CROPS													3RD AND 4TH CROPS												
<p>Radon contents of waters and soil air of Peninsula Tihany and eastern Hungary. János Straub and Tibor [unclear] Magyar Rad. Kutatóintézet Munkái 10, (1952), 7. Hely. Intézkedések. 121, (1952) 4 (1952). The relation of the occurrence of goiter to the contents in potable waters of I and Rn was studied. In a part of County Hapsi where goiter occurs often, the dug wells contained little or no I and 1.3 eman (= 0.36 Mache units) of Rn. In another village of the same county, where goiter is unknown, the dug wells contained 10-50 % of I and 0.25 eman (= 0.07 Mache units) of Rn per l., while the drilled wells contained 25-50 % of I and 1.3 eman (= 0.36 Mache units) of Rn. Ten different waters of the Peninsula Tihany (at Lake Balaton) contained 4.8-15.8 % I and 0.029-1.364 Mache units of Rn per l. The air of the soil contained 81.2-751.1 Rn (ion/cc. sec.). As goiter is unknown in Tihany, Rn is not necessarily a cause of the disease. The presence of I may inhibit the goiter-producing effect of Rn.</p> <p style="text-align: right;">S. S. de Finkly</p>																									
<p>ASB-51A METALLURGICAL LITERATURE CLASSIFICATION</p>																									

SOV/32-25-3-45/62

5(1), 18(7)

AUTHORS:

Török Tibor, Barabás János

TITLE:

A Spectroscope for Sorting Steel (Spektroskop dlya rassortirovki stali)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 364-365 (USSR)

ABSTRACT:

A series of Soviet publications with respect to the use of stylosopes for production checks (Ref 1) is given as an editor's note to the article. A new spectral apparatus was developed which makes possible the quick sorting of high quality steel bars and also allows to carry out analyses without the necessity of using specially prepared samples. A spectral system with two prisms is used, and in this way a better dispersion and sharper separation are achieved. Provision is made for an adaptation by which it can be used for flame-photometric and spectrophotometric measurements. The data of the optical system (Fig 1) are as follows: focal distance of the collimator 270 mm, light intensity - 1:8, focal distance of the objective of the inspection tube 450 mm, light intensity - 1:10, focal distance of eyepiece lenses 16 mm, length of the visible spectrum from 4000 to 7500 Å = 71 mm. The collimator and inspection tube are parallel so that the

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A Spectroscope for Sorting Steel

SOV/32-25-3-45/62

length of the spectroscope is reduced to half of its normal length. An illustration of the apparatus (Fig 2) with a description is also given. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Universitet im, Lorant Etvesha i kombinat "Chepel",
Budapest (Lorant Etvesz University and the Combine
"Csepel", Budapest)

Card 2/2

TOROK, T.

high-voltage excitation. The slope of the sparking curve is independent of the quantity of nickel alloying con-

in blackening values is lower and the sparking curve is shifted to the right. By diminishing the spark-

TOROK, T.

Distr: 4E2c

✓ Effect of electrical parameters on the spark and evaluation curves of magnesium, Károly Zimmer and Tibor Torok. Magyar Kem. Folyóirat 65, 478-81 (1959).—The relation between spark curves of Mg and Al, using Al alloys of low Mg content, and parameter changes in the discharge circuit are shown graphically in detail. Increase of condenser capacity reduces the darkening redn. of the Mg line at low Mg content but increases it at higher Mg concn. In the absence of self-induction, darkening of Al lines during sparking increases but decreases when self-induction is applied. I. S. Cook

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TOROK, T.
HUNGARY/Optics - Instruments of Optical Analysis

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Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 7259

Author : Torok, T.

Inst : L. Eotvos University and Csepel Iron and Metal Works, Budapest ,
Hungary

Title : Apparatus for Performing Calculations in Spectral Analysis

Orig Pub : Acta chim. Acad. sci. hung., 1957, 10, No 4, 357-367

Abstract : Description of apparatus for finding the concentrations of the analyzed elements from data of photometric determination of spectra during the performance of the analysis by the three-line variant of the method (Scheibe G., Schnetter O. Naturwiss, 1930, 18, 753; 1930, 19, 134) using the P-transformation of the characteristic curve of the photographic emulsion. The apparatus consists of a nomograph, a computation board with two rules, and a projection rule.

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